



MMA NEWS

Missouri Mappers Association
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LETTER FROM THE PRESIDENT



Jeff Davis, President MMA.

I hope everyone had a safe and happy holiday season. I know everyone is working very hard at keeping their New Year's resolution this year. I think 1996 was a good year for the MMA, as we continue to grow I'm sure 1997 will be even better. The annual meeting committee will be starting to make plans for the meeting in August very soon. I'm sure they will be looking for some ideas for speakers and activities, and would

welcome any suggestions you might have.

Applications for the PMM exam must be returned by the end of January along with a \$25.00 application fee. I do have applications available for anyone that needs one.

The next board meeting will be January 24, 1997. Also the Second Annual State of Missouri GIS Conference will be on March 10-11 this year in Jefferson City. I hope to see many of you there.

Jeff Davis, PMM
President MMA

HATE TO BUG YOU.....BUT

If you are not a current member please renew now!

DYNAMIC MAPS ON THE INTERNET

Just as all Internet usage and demands for data are increasing, so is the demand for serving dynamic maps and related data. Government organizations want to add digital maps to their Web sites as a public service, while commercial organizations need to provide customers with geographic information such as the location of their nearest outlet. Mapping departments want to leverage Geographic Information System (GIS) mapping and analysis capabilities via their Intranet to reach non-GIS specialists responsible for tasks such as routing deliveries, answering customer queries, or managing property. More than simply viewing static maps, users in both instances want to browse, explore, and query active maps.

ESRI, a leading provider of GIS software, has recently introduced simple-to-use solutions for deploying your maps on the World Wide Web. ESRI offers two solutions: one is an out-of-the-box GIS mapping solution, and the other is a comprehensive tool kit for building a custom application. The ArcView Internet Map Server makes putting mapping and GIS applications on the Internet almost as easy as printing a map. The MapObjects Internet Map Server is a product designed for Windows application developers and allows for the development of highly customized applications.

If you would like to see some examples of dynamic maps accessible through the Internet, here are some sites to visit: VISA Corporation: ATM Finder

<http://www.visa.com>

Created to help VISA customers find the closest available ATM that accepts VISA cards, the ATM finder allows users to enter any address or intersection in the United States and locates the three closest ATM's.

City of Oakland, California Map Room

<http://199.35.5.101/index1.htm>

Created to serve Oakland residents, the Map Room lets the user create maps showing parcel information such as property ownership and zoning.

If you would like to see more examples of dynamic maps or get more information about the Internet Map Server products please visit ESRI's home page at <http://www.esri.com>. For more details about ESRI or our GIS software products, please call the St. Louis office of ESRI at 314/949-6620.

Submitted by: Jennifer Kuntz, ESRI St. Louis

Day & Zimmermann Information Solutions

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Senior Vice President
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IAAO COURSE SIX SUCCESSFUL

Columbia was the site of IAAO Course 6 sponsored by the Missouri Mappers Association last September.

Twenty-three people attended the class titled Principles and Techniques of Cadastral Mapping. Students were taught the basics of cadastral mapping utilized in both Government Survey States and metes and bounds States.

Several students were taking the course as a CMS designee. What is a CMS? Those initials stand for Cadastral Mapping Specialist. The International Association of Assessing Officers (IAAO) has developed and implemented a program of professional designations intended to increase the professional competence of assessment personnel. Course 6 is one of the requirements for that designation. A majority of people take the course to gain knowledge and experience that will be valuable to their careers. Students gain insight on how to handle mapping problems, not only in their State, but how other States handle similar situations.

I would like to thank the Missouri Mappers Association and Chris Matthews for allowing me to teach a great group of warm hearted people. I had fun and I hope they did as well.

Submitted by: Richard J. Norejko, CMS

Buncombe County, North Carolina

NOTE FROM THE AWARDS COMMITTEE

Each year an award is given in each one of the following four categories:

-Education -Fireball
-Mapper of year -Annual Convention

Mapper of the year is given to the most "Outstanding Mapper" in the Cadastral mapping field. Fireball is just what the word suggests. Someone with enthusiasm and great energy that keeps things running smoothly and going strong in the MMA. Education award is given to an individual who has been outstanding in promoting education throughout the year in MMA. The Awards Committee would greatly appreciate any suggestions you might have on who you feel should receive recognition with one of these awards. This would help our Officers and Directors greatly also.

Last year we started filling in holes on who received past years awards. All the holes were filled but two. Mapper of the Year and Education for 1992 are still unknown. If you know who received these awards please let one of the committee members know, so that it may be put on record. The committee hopes to see everyone over the 1997 year.

Stephanie Trejo, PMM

State Tax Commission (417)468-4184

Linda Crane, PMM, Boone County (573)886-4260

Barbara Kaszuba, PMM

Newton County (417)451-8228

Gladys Smith, St. Clair County (417)646-8880

AWARDS IN PAST YEARS

Here is a listing of all award winners from 1987-1996. It is fun to look into our past and remember the past years in MMA.

- 1987- Education: Bob Norris
Fireball: Mary Ann Kaiser
Mapper of year: Kitty Hedin
- 1988- Education: Debbie Cochran
Fireball: Ken Eftink, PMM
Mapper of year: Robert Pirrie
- 1989- Education: Robert Pirrie
Fireball: Dan Roe
Mapper of year: Carol Ann Freeman
- 1990- Education: Linda Crane
Fireball: Jerry Joe
Mapper of year: Dan Roe
Annual Meeting: Linda Crane
- 1991- Education: Kathy Edwards
Fireball: Debbie Cochran
Mapper of year: Carl Sohn
Annual Meeting: Betty Wiley
- 1992- Education: ???
Fireball: Carl Sohn
Mapper of the Year: ???
Annual Meeting: Randy Mayden
- 1993- Education: Richard Sohn
Fireball: Mary Beasley
Mapper of year: Phil Shelton
Annual Meeting: Linda Crane and Sandy Estes
- 1994- Education: Chris Matthews
Fireball: Marti Buckner
Mapper of year: Tim Houtchens, PMM
Annual Meeting: Ona Thomas
- 1995- Education: Bob Friesen
Fireball: Kathy Edwards
Mapper of year: Sarah Anderson
Annual Meeting: Shelly Taylor
Recognition Award: Carl Sohn,
Outgoing MMA President
- 1996- Education: Carl Sohn
Fireball: Randy Mayden
Mapper of year: Floyd Evans and
Barbara Kaszuba
Annual Meeting: Dan Roe
Submitted by: Stephanie Trejo, PMM

FOR SALE

Dunn Register, 30" x 42" vacuum frame light bed for exposing multiple transparent layers for Ozalid printing. Have extra bulbs. Excellent condition, original cost \$4945, will sacrifice. Call 417-667-3568 ext 18 or fax offer to 417-667-7937.

ANNOUNCEMENTS

For Sale/Wanted Column

Members, do you have mapping equipment you want to sell or purchase? We will advertise it for you in the MMA News free of charge. Send all information on type of equipment for sale/or wanted with your name and number to: Patty Williams, P.O. Box 565, Warrenton, MO 63383 or call Patty at (314)456-8885.

Board Meeting

Meeting dates for the quarterly board meetings are set for Friday January 24, Friday April 25, and Friday July 25. Meetings will be held at Miller Management Services, Inc. in Columbia. Start time will be 10:00 a.m. and are scheduled to end by noon. Contact Jeff Davis (573-886-4262) for additional information.

Membership

There are 66 counties with paid memberships to MMA. There are 12 counties that were members last year, but haven't renewed for 1997. Check the enclosed membership list for current members. Even though you are receiving the newsletter, you might not be a paid member. If you would like to renew your membership, please send \$15.00 to Membership Chairperson:

Gladys Smith
RR2 Box 193B
Osceola, MO 64776

Change Your Address?

If you have recently moved please let us know so you will receive the MMA News on schedule. Send address changes and corrections to:

Gladys Smith
R2 Box 193B
Osceola, MO 64776

Advertising

Don't forget, your business card can be published in the next two issues of the MMA NEWS. The cost is only \$25.00! Please send business cards, comments, or corrections to Publication Chairperson:

Belinka Novotny-Held
9801 Held Rd.
Hillsboro, MO 63050

Answers To Oct. Word Scramble

GEOCODING, ACRE, COMPASS, MAPPERS, TRUE NORTH, BEARING, CARTOGRAPHER, VECTOR, COUNTY, AERIAL

Western Air Maps, Inc. New Address

Western Air Maps, Inc. is pleased to announce the relocation of their office to:

9401 Reeds Road
Overland Park, KS 66207

NEW AERIALS FOR WARREN COUNTY

Things are starting to buzz with anticipation in the Warren County Assessors office. They are in the process of getting new aerial maps. On April 1st & 2nd, 1996 the county was flown and during the next few months packages of proofs and composites of the maps have been arriving. Finally in late October the first sample base aerial sheets started arriving. By March 1997 the final work should be completed. The current maps were flown in December 1981; it is really interesting to compare the old aerial with the new and see all the changes that have taken place.

Submitted by: Patty Williams
Warren County

WEST CENTRAL MMA

West Central would like to wish each and everyone of you a happy healthy and prosperous 1997.

We are having our first meeting of the new year on Friday, January the 24th at 12 noon in the Boone County Assessor's office in Columbia. Anyone wishing to join us is welcome and encouraged to attend.

For additional information on the West Central Missouri Mappers Association contact Shelly Taylor, Howard County (816)248-3400.

UPDATE FROM CEMMA CHAPTER

Our last meeting was on October 18, 1996 at Franklin County. The topic of this meeting was a presentation by Robert E. Myers from DNR Rolla, MO. Mr. Myers spoke on the minimum standards required for surveyors and how this impacts mappers. There was a total of 28 people attending this meeting - good turn out and we hope for even a larger turnout at our next meeting which is on January 15, 1997.

We will be meeting at Ryan's Family Steakhouse @ 8925 Watson Rd., in Crestwood. The association decided to do this meeting a little different than in the past. We will be having a panel discussion that consists of several presenters throughout the association. Our topic this meeting is: Transfers, Subdivisions, and Split-offs. Each presenter is given a list of questions to answer during the presentation. This is a way to get everyone involved and participate in these meetings. It is also informative to see how other counties or companies handle some of the same situations. If you would like to attend one of our next meetings please contact Sandy Cadenhead at 314-797-5041 to receive a mailing.

Walker & Associates

Aerial Photography and Digital Mapping Services
St. Louis, Missouri • 314-343-6111

STATE TAX COMMISSION'S POSITION ON ASSESSMENT OF PROPERTY BORDERING STREAMS OR RIVERS

Questions continue to arise regarding the proper assessment of property boundaries on or beneath rivers and streams. On January 22, 1996, the State Tax Commission issued an advisory pertaining to this subject to all assessors. The body of that letter is set out below:

During the 1985 statewide reassessment, the State Tax Commission recommended that assessors, when assessing property whose boundaries lie beneath rivers or streams, assess the acreage to the discernible river banks. This policy was intended to simplify mapping and spare the landowner from paying taxes on land he or she could not use.

Over the last three years, a group of taxpayers has expressed concern that ownership interests in the submerged acreage may be jeopardized and that the land may be taken without compensation for parks or other governmental use because they have not paid taxes on that land. The Commission believes that the assessment process itself cannot change the number of acres owned by a taxpayer or lessen a taxpayer's interest in real property.

While the concerns of these taxpayers may not warrant the cost of statewide remapping, the issue can be addressed rather simply. The Commission recommends that, *upon the request of the taxpayer*, the assessor redraw the boundaries for that particular parcel to its actual boundaries. In most circumstances this will mean extending the boundary beyond the discernible river bank to the middle of the stream, although this may differ depending upon the particular deed. The resulting additional acreage generally should be classified in the appropriate agricultural grade, but could be classified otherwise depending upon the nature of the remainder of the parcel.



A Typical Project for Orthophoto Base Maps

Written By

Bob A. Williams, Certified Photogrammetrist, Walker & Associates, Inc.

The following article is the first in a series of three, that describes a typical sequence of tasks that is accomplished on an aerial photography - base mapping project for Missouri Assessors. The workflow does not include the administrative tasks that are associated with the project such as specification development, selecting a consultant, contracting, quality assurance etc...

PART ONE OF THREE

Step 1--Flight Planning & Site Preparation

Flight maps must be prepared to accommodate the various maps scales within the County. In general a high altitude flight is planned to cover the entire County. Acceptable photo scales for 1"=200' and 1"=400' scale map requirements range from 1:20,000 to 1:24,000 scale. The developed urban areas are flown at a lower altitude suitable for mapping at 1"=100' scale. Acceptable photo scales for 1"=100' scale map requirements range from 1:6,000 to 1:10,000 scale.

If there are existing survey monuments in the County, the positions should be targeted prior to the aerial photography. This is important if orthophoto maps will be produced in the rural areas, and if National Map Accuracy Standards are desired for the maps. In many cases, the control for the original orthophoto base mapping was digitized from USGS quadrangle maps.

Step 2-- Aerial Photography

Following the flight planning and targeting activities, aerial photography is obtained either in the fall-winter or spring of the year. The County will be flown during suitable conditions regarding sun angle, foliage and ground cover according to the State Tax Commission's guidelines and standard industry procedures. The photography will be processed and inspected to ensure that the targets are visible and that the proper mapping can be conducted. Contact prints, diapositives and other photographic products will be produced that are required for the mapping.

Step 3--Triangulation

Triangulation is a procedure and software process that ties the control points, either surveyed or quad map digitized to each individual photo exposure. Since a control point will not exist on every photo, the triangulation process "bridges" the gap between the control points and the remaining photos. At least four points are need for each stereo model to complete the mapping. If survey monuments are not present in the County or at the proper density for the mapping, the survey control can still be obtained following the photography. If less accurate maps are still preferred, the control can be digitized from USGS quadrangle maps.

2ND ANNUAL STATE OF MISSOURI GIS CONFERENCE

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MARCH 10-11, 1997

The Second Annual State of Missouri GIS Conference will provide those interested in this technology a forum for discussion, a place to obtain information, and a chance to meet others who are where you are, as well as those who have tread these paths before you. The use of Geographic Information System (GIS) technology has grown significantly in the state in response to GIS's application to an incredible range of issues and problems. Activity is occurring within federal, state, local, public, and private organizations. This conference will provide a forum for Missourians to come together and explore what and where these developments are taking place. We will also spend time discussing new developments at the State level and the creation of the Missouri GIS Advisory Committee which is located under the Office of Information Technology. Our goal is to educate, increase awareness, and create networks for people interested in GIS, the databases being used, and its associated technologies.

Please take a moment to consider both your educational needs and what you may be able to bring to the conference. We would also like to pull together a group of fine dedicated folks who would work with us in pulling together the program sessions from the submitted abstracts. Please volunteer as this is your conference. A lot of this planning can be done via Email! Think about it!

CALL FOR PAPER PRESENTATIONS

Presentations are being sought to fill tracks in the following six major areas. If you feel yours does not fit into these slots by all means submit it anyway because this is a chance for us to find out what we don't know about as well. Presentations can be made by federal, state, local, or private personnel. The only caveat is that the presentations can not be sales related.

1. Natural Resource Applications
2. Social-Economic-Health Applications
3. Local Government Applications
4. Transportation Applications
5. Technical Issues
6. Management Issues

Each session participant will be allotted twenty minutes for presentation and discussion. Each

meeting room will have an overhead projector, 35mm carousel slide projector and screen.

JEFFERSON CITY, MO

Presentations abstracts must be submitted by January 15, 1997. These will be compiled and distributed at the conference as well as be put on the web prior to the conference.

CALL FOR POSTER PRESENTATIONS

If your materials are better suited to visual rather than verbal presentations, please consider participating in our poster/project showcase display. Each poster presentation will be allotted a 4'x8' poster board on which to display their activity. Textual material should be confined to brief statements. One-on-one discussion is encouraged so plan to spend some time at your poster! An abstract for the poster must be submitted by February 01, 1997 so that they can be distributed during the conference.

Guidelines for Abstract Submission

The body of the abstract should be typed, single-spaced with 1 inch margins, and no more than one page (approximately 300 words). A cover page listing the author(s) and their address and phone numbers is also requested. Additional information will be sent about presentation time and poster preparation after we receive your information. These should be forwarded by the deadline date posted to (FAX) 573-884-4239, Email grethl@showme.missouri.edu, or by mail to:

Missouri GIS Conference c/o Tim Haithcoat
18 Stewart Hall
University of Missouri
Columbia, MO 65211

CONFERENCE INFORMATION

Costs for conference registration, travel, and other expenses will be the responsibility of the participants. Audio visual or other aids can be provided if requested sufficiently in advance. For planning purposes the registration fee for all attendees and presenters is \$50.00.

The Conference Hotel is the Capitol Plaza Hotel located at 415 West McCarty in Jefferson City, MO. We have a block of rooms reserved till February 16, 1997 after which time they will be released to the public. The cost per room is a flat rate of \$64.50 + tax. This includes king, queen, and standard rooms. Rooms must be guaranteed for late arrival by the individual either by advance deposit or by credit card. Cancellations must be made 24 hours prior to arrival to avoid billing.

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In the next issue of MMA, look for an article on the 1996 Annual Conference of the State Tax Commission and the Missouri State Association of County Assessors.

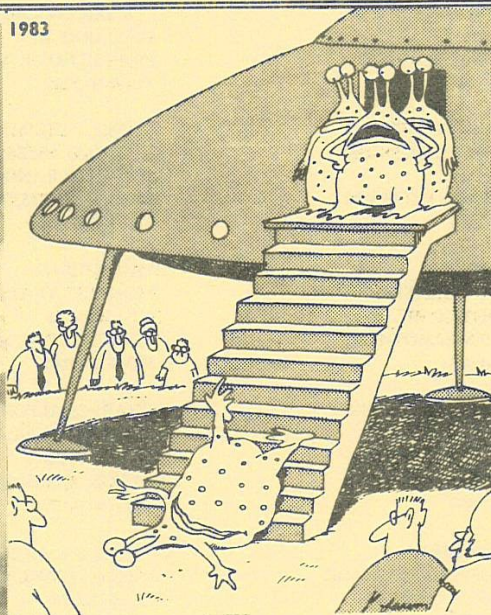
Also, look for part 2 of the *Orthophoto Base Map Project* and an article from Day & Zimmermann Geographic Information Solutions.

Please submit any articles of interest or current events to
Publication Chairperson:
Belinka Novotny-Held
9801 Held Road
Hillsboro, MO 63050
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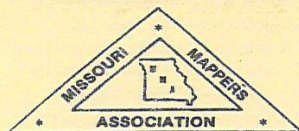
"Wonderful! Just wonderful!...So Much for instilling them with a sense of awe."



1983

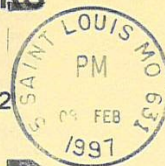


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